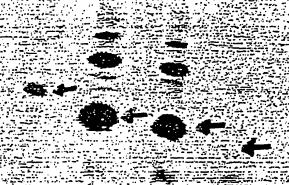
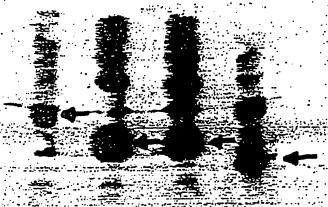
15

(Soluble Receptor) 3 125 132 146 160 163 167 174 179 184 192 46 46 46 46 46 46 46 160 163 167 174 179 184 192 73 73 79 79 79 79 79 79 79 79 79 79 79 79 79	TM	DFALPVGLI	235																			_		
		TT.HQICNVVAIPGNASMDAVCTSTSPT	125 132 146 160 163 167 174 179 184 1	CNVVAIPGNASMDAVCT	32	64	0	1.76	86	6/1	192	235	146	180	192	233	235	235	235 235	235	235	_		

3-235 3-192 3-180 3-132

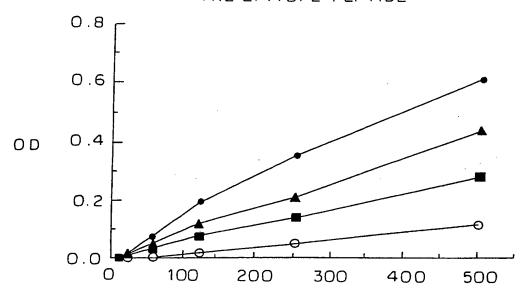


3-235 3-192 3-180 3-132.



F/G.3

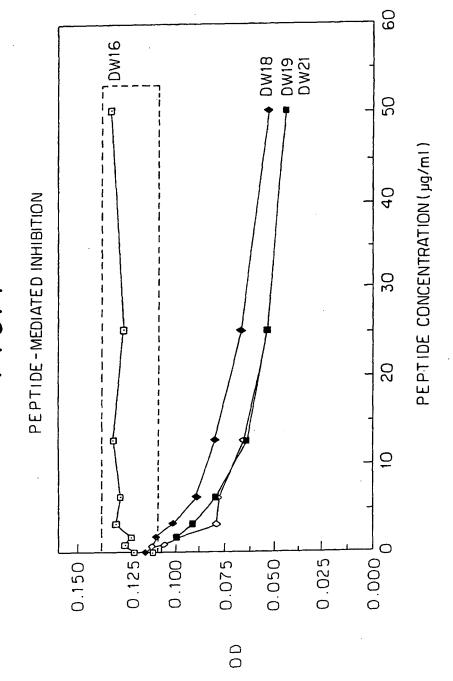
INHIBITION OF #32 AND p75 INTERACTION BY THE EPITOPE PEPTIDE

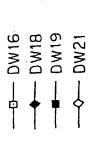


p 75 CONSTRUCT CONC.(pg/ml)

— no pept
— 1 ug/ml
— 10 ug/ml
— 100 ug/ml

F16.4





cac tta ccc His Leu Pro Ser ctg ago Leu ser ggg aat gca agc ttc.aac.acg.act tte gge gtg gee aga Val. Ala. Arg Ser Asn Thr Thr Gln.Val.Glu.Thr cag.gtg.gaa.act ago aca.tac.acc.cag Asp. Thr. Val. Cys Asp Ser. Cys. Glu. Asp Ser. Thr. Thr. Gln Leu. Arg. Glu. Tyr. Tyr. Asp. Gln. Thr. Ala. Gln. Met. Cys. Cys. Ser, Lys. Cys. Ser, Pro. Gly. Gln. His. Ala ago aca tgo cgg ser Thr Cys Arg ggc caa cat gca agggcgcgag ggcgcgaggg cagggggaa ccggacccg atg gcg ccc gtc gcc gtc tgg gcc gcg ctg gcc gtc gga ctg gag ctc tgg gct gcg Met Ala Pro Val Ala Val Trp Ala Ala Leu Ala Val Gly Leu Glu Leu Trp Ala Ala Alà Gly 'Asn' tgc gcg ' gta Val gca Ala Pro gtg gcc atc ccc ťaċ tto ħ'n, Phe cag atg tgc tgc age aaa tgc tcg ccg tcc cgc:tgt:agc tct gac Ser Arg: Cys. Ser. Ser. Asp 995 614 cca ggg Val'Ala Ile ccc ggc tgg Thr acg tgc.cgc.ccg.ggc Cys. Arg. Pro. Gly gae tec.tgt.gag.gae tac gcc ccg gag ccc Tyr Ala Pro Glu Pro Ala Pro Gly .පයේ. යියියි. gcc. Ala Mer gcc gtġ Val Arg tgċ agg cgg agt Arg Ser Čvs' Asn . رک රු 142 tot aac .164 . 94 gog.cog.ctg.cgc aag Ala. Pro. Leu. Arg Lys . . . 120 occ tgt Arg Val. Cys: Lys .Pro atc'tgc'acd ttg.agc.tgt ggc Leu Ser Cys Gly Pro gac, acc, gtg tgt ၁၁၁ acc atc. ile cys Thr gtg .tgc.aag gca ttt aca Ala Phe Thr ttt aca ctgggctgcg Pro UCC. Ġl'n ċaġ ĊaĊ His. Ser tcc ċġċ gct att tgc agg ccc Ile Cys Arg Pro acg tee acg gtg Val tgc Cys Cys aac. Àsń cggagcctgg agagaaggcg Ser tgc tcg tac tat gac cag aca gtg Val cgg gaa cag karg Glu Arg Glu Glu aca tca gac Glu .Thr. Ser. Asp Cys. Arg. Leu Val. Pro.Glu ggg, tgc, cgg, ctg acc.aag.acc gtt.ccc,gag Thr. Lys. Thr Pro Ala Gln gcc cag cocgeacce atg gog coe gto tgc Cys S gaa ġat Asp gtc ۷aJ act. tgt ζys tgg Ala Leu gcc ttg -23 àcg gca .cca.gga act Thr Ser Ser Thr glu gag Ėgċ Asn S C S phe aaċ gaa aaa.gtc ttc gcgagcgcag atg.gat. Asp tca tcc 543. ... Pro.Gly Lys. Gln Leu. Trp caa gcc aag.cag gin Ala ctc.tgg Lys.Val His cac 609. ctc aga 411. Met 477 279. 606 Ala 147 213

TBPII

F16.5B

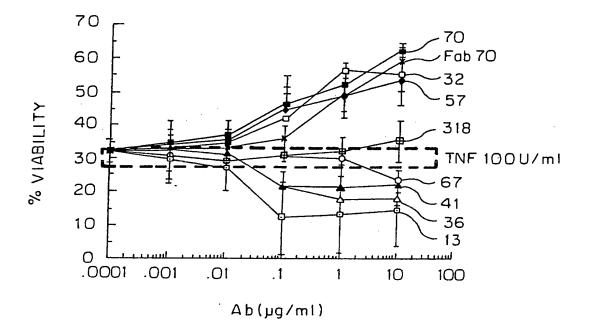
TRANSMEMBRANE DOMAIN				•	
cca gtg tcc aca cga tcc caa cac acg cag cca act cca gaa ccc agc act gct cca agc acc Pro Val Ser Thr Arg Ser Gln His Thr Gln Pro Thr Pro Glu Pro Ser Thr Ala Pro Ser Thr Ala Pro Ser Thr Arg Ser Thr Corner of the Co	This Gln Val Lys Lys Lys Pro Leu Cys Leu Gln Arg Glu Ala Lys Val Pro His Leu Pro Ala 274 aag gcc cgg ggt aca cag ggc ccc gag cag cac ctg ctg atc aca gcg ccg agc tcc agc Lys Ala Arg Gly Thr Gln Gly Pro Glu Gln His Leu Leu Il- Thr Ala Pro Ser Ser Ser 11	ago too otg gag ago tog goo agt gog ttg gac aga agg gog coo act Ser Leu Glu Ser Ser Ala Leu Asp Arg Arg Ala Pro Thr 318 coa ggo gtg gag goo agt ggg goo gog gag goo ago aco ggg aco agg goo ago aco ggg ala Gly Glu Ala Arg Ala Ser Thr Gly Ser Ser Asp Ser Ser Pro Gly Ala Gly Glu Ala Arg Ala Ser Thr Gly Ser Ser Asp Ser Ser Pro Gly	ggt ggc cat ggg acc cag gtc aat gtc acc tgc atc gtg aac gto tgt agc agc tct gac cac Pro Gly Val Glu Ala Ser Val Asn Val Thr Cys Ile Val Asn Val Cys Ser Ser Ser Asp His 362 tca cag tgc tcc caa gcc agc tcc aca atg gga gac aca gat tcc agc ccc tcg gag tcc Ser Gln Ala Ser Ser Thr Met Gly Asp Thr Asp Ser Ser Pro Ser Glu Ser 5	Lys Asp Glu Gln Val Pro Phe Ser Lys Glu Glu Cys Ala Phe Arg Ser Gln Leu Glu Thr 406	Thr Leu Leu Gly Ser Thr Glu Glu Lys Pro Leu Pro Leu Gly Val Pro Asp 7 agt taa ccaggccggt gtgggctgtg tcgtagccaa ggtggggctga gccctggcag gatga Ser End
Cag Gln 807 tcc Ser 873 939	Met 1005 gat Asp	agc a Ser (1137 gca o Gly i	ctt c Ala H 1269 agc t Ser S	CCG Pro 1401	Glu 1467 CCC Pro

F16.5C

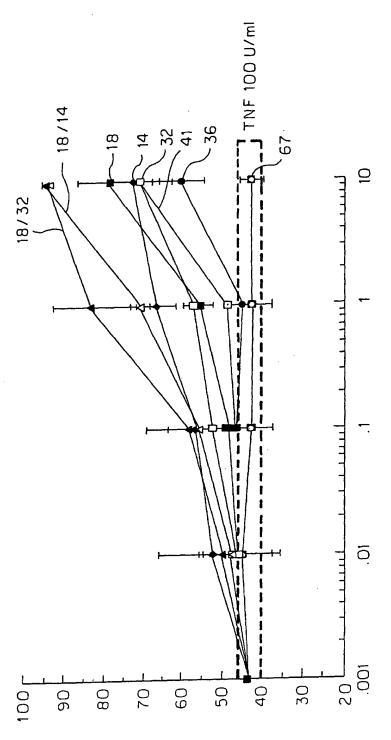
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acctcaggc caggtgcagt ggctcacgcc

2075

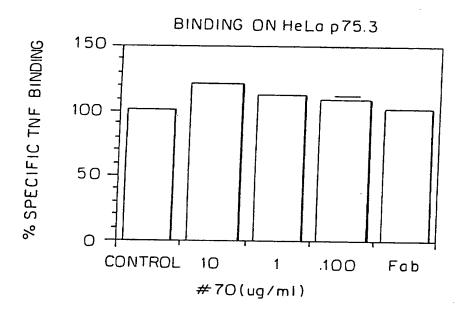






Ab (ug/m1)

FIG.8A



F1G.8B

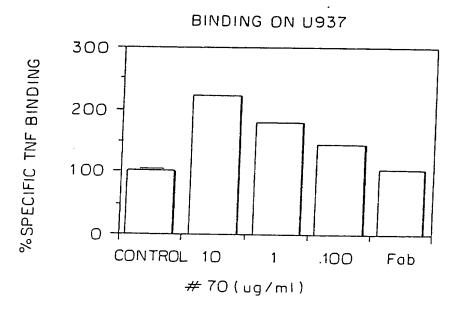


FIG. 9A

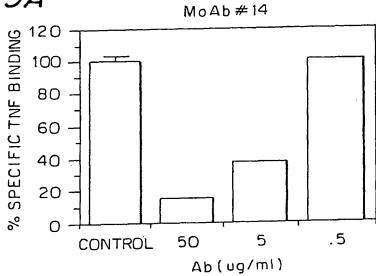
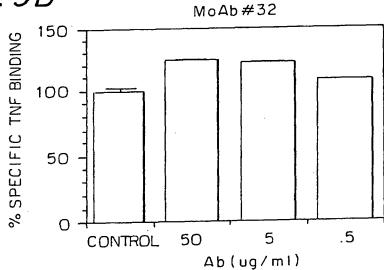
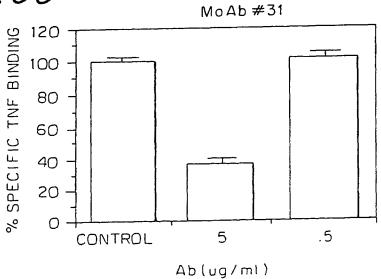
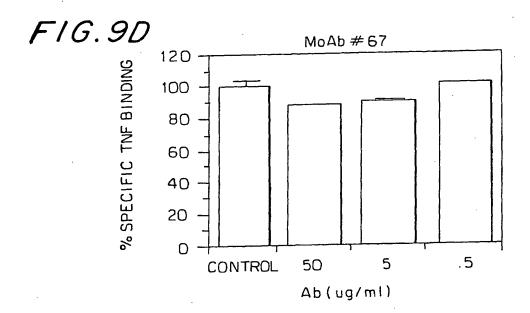


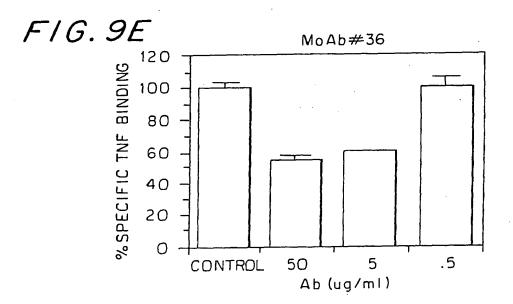
FIG. 9B

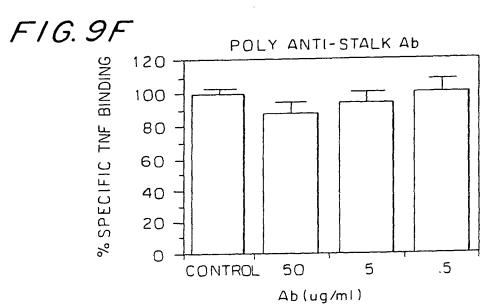


F1G.9C

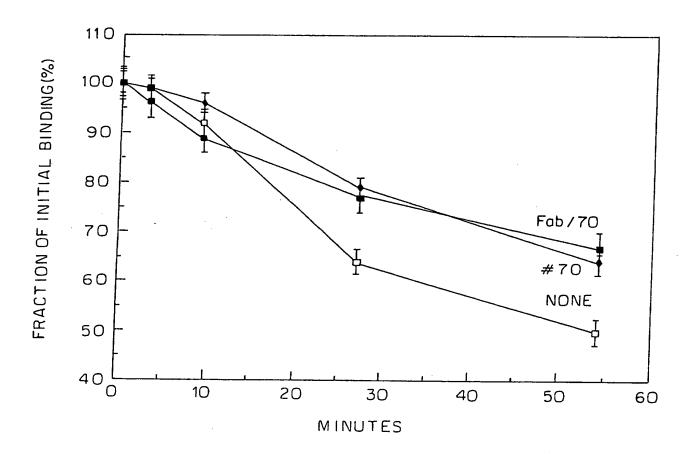








F1G.10



F16.11A

F C C	TCC	TCC S	CCT	CCT	CCA P	LU	AAT N	GCA
S T						UZ	S Z	E E
ATT I	ATT I		AGG	AGG R		TAC CCT Y N	TAC Y	TAT Y
AAG K	AAG K	AAA K	CAG	CAG Q		GAT	GAC	CAC
GTG V	GTG V	CGG R	AGG R	AAG K	CGT R	ACT T	ACT	CTC
TCA	TCA S		GTG	GTG V	GTT V	AAT	GAC	ACC
D 60	gac A	999 9	99	1	.GG	GGA	GGA	AGT
999		GGA G	AAC	AAC	91/31 C TTT GGA ATG CAC T F G M H W	GGA GAT GGA AAT G D G N	GAT GGA GAC A	AGT
CCT	CCT	CCT	ATG	ATG M	ATG	GGA	GA	Di i
AAG (GCT A	ı CAG Q	ı TGG ₩	1 TGG W	1 GGA G	S1 CCT P	/51 CCT P	/51 AGT S
31/11 GTG AAG V K	GTG (V	31/1 GTG V	91/3 TCT S	91/3 TCT S	91/3 TTT F	151/ TAT Y	151/ CAT H	151, AGT S
CTG (CTG	TTA	CAT	CAC	AG(151/51 CGG ATT TAT CCT G R I Y P G	ATT I	ATT
GAG (GAG	3 9 9	AGT	AGT S	AGT S	CGG	CGG R	TAC 7
CCT (CCT (GGA G	TTC	${ m TTC}$	${ m TTC}$	GGA	GGA G	GCA A
GGA (G		999 9	GCA	GCA A	ACT T	ATT	ATT I	GTC V
TCT (TCT	TTC	TAC	TTC	TGG	TGG W	TGG W
GAG		GAG	299			GAA	GAG E	GAG E
CAG (CAG Q	TCT		TCT	1		CTG L
CTG (CTG L	ACT	GCT A	GCT A	GGT	GGT	999 9
AAA (K		TCC S	1 AAA K	1 AAA K	1 GCA A	41 CAG Q	'41 AAG K	/41 AAG K
1/1 GTG 7 V I	1 .	1/1 GTG '	61/2 TGC C	61/2 TGC C	61/21 TGT GCA C A	121/41 GGA CAG G Q	121/ GGA G	121, GAG E
#70	#32	#57	#10	#32	#57	#10	#32	#57

F16.11B

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	ATG	Σ		ATG	Σ		CTG	ᄓ		${ m TGG}$	Z		TGG	3						
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	TCT	ഗ		TCC	S		CCC	വ		${ m TTT}$	ഥ		TTC	ᄄ		CCA	Ω			
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	GCC	A		CCC	A		TTC	ഥ		\mathtt{TCT}	ഗ		$_{ m TCT}$	ഗ		CTA	ᆸ			
	CAG	Ŏ		AAG	X		CGA	ద		ACC	[-		ACC	E		TCA	ഗ			
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19	AAG	×	61	AAC	Z	61	ACA	E	81	CIC	Ļ	81	CTC	디	81	ATG	Σ		*	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
181/	GGG AAG T	9	181/	GGG	Ŋ	181/	GAC		241/81	CAA	o	241/	CAG	Ø	241/	CAA	α			,
	#10			#32			#27			#10			#32			#57				

331/111 TAC CTC GAA GTC TGG GGC CAA GGG ACC ACG GTC ACC GTC TCA CTC TAC CTC GAG GTC TGG GGC CAA GGG ACC ACG GTC ACG GTC TCA CTC TAC CTC GAG GTC TGG GGC CAA GGG ACC ACG GTC ACC GTC TCA TAC TAC CTC GAG GTC TGG GGC CAA GGG ACC ACG GTC TCC TCA TAC CTC TTC TGG GGC CAA GGG ACC ACG GTC TCC TCA TAC TTCA TAC TCA TAC TTCA TAC #32

#57

F16.12

	ACT	E		၁၁၅	K	151/51	AGG	ద		ACC	[- 1		ACT	티		ACT	E			
	GIC	Λ		${ m TTG}$	L		ACT	Ţ		CTT	П		AGC	S		CCA	д			
	ATG	Σ		TCT	S		$^{\mathrm{TCC}}$	S		ACT	Ħ		TAT	Y		GCA	Ø			
	CAG	α		AAC	N		GCA	Ą		TTC	ഥ		CAT	Ħ		GCT	Ą			
	GGA	_ග		AAG	X		${ m LLL}$	ĮL,		GAT	D		CAA	0		GAT	Ω			•
	GTA	>		CAA	O		TAC	¥		ACA	H		CAG	0		GCT	Ą			
	TCA	ഗ		ACT	Ħ		ATA	H		GGG	Ö		\mathtt{TGT}	υ		CGG	ĸ			
	ATG	Σ		AGC	ഗ		CTG	긔		TCT	ഗ		TTC	ഥ		GAG	ы			
- ;	GCT	Ą	31	AGT	S	/51	CTT	Ы	/71	GGA	_U	/91	TAC	×	/111	ATA	Н			
31/1	CTG	ļ	91/3	ACT	L	151	AAA	×	211,	AGT	ഗ	271	GAT	О	331	GAA	臼			
	TCC	S		TTA	Ľ		CCT	ф		ggC	ტ		GCA	Ø		${ m TTG}$	Ы			
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				AGC	S		CAG	α		TTC	ഥ		GAC	Ω		ACA	E⊣		A	
				CAG	O		GGA	ט		CGC	ద		GAA	团		GGG	Ö		$_{\rm TCC}$	ß
				AGT	S		CCA	Д		GAT	Ω		GCT	Ą		${ m TCG}$	ഗ		CCA	ር
				TCC	S		ACA	₽		CCT	Д		CAG	α		CCC	Ŋ		CCA	Д
					X		CAG	α		GTC	>		GTG	>		TTC	ഥ		TIC	Ľ
				$_{\mathrm{TGC}}$	ပ		CAG	α		CCC	Ö		AGT	ഗ		ACG	[-		ATC	Н
			31	AGC	ഗ	/41	TAC	⊁	/61	TCT	ω	/81	AGC	ഗ	101/	TTT	Į,	361/121	TCC	ഗ
			61/5	ATG	Σ	121,	TGG	3	181,	CTA	긔	241,	ATC	Н	301	CCA	Д	361	GTA	>

F16.13

VCPQGKYIMPQNNSICC-TKCHKGTYLYNDCPGPGPGQDTDCR TCRLREYYD-QTAQMCC-SKCSPGQHAKVFCTKTS-DTVCD QNLEGLH-MDGQFCH-KPCPPGERKARDCTVNGDEPDCV ACPTGLYTHSGECC-KACNLGEGVAQPCGA-NQTVCE ACREKQYLINSQCC-SLCQPGQKLVSDCTEF-TETECL NCVKDTYPSGHKCC-RECQPGHGMVSRCDHT-RDTVCH	ECE SGSFTASEMHL-RHCLSC-SKCRKENGQVEISSCTVD-RDTVCG SCE DSTYTQLWWV-PECLSCGSRCSDDQVETQACTRE-QNRICT PCQEGKEYTDKAHFSSKCRRC-RLCDEGHGLEVEINCTRT-QNTKCR PCLDSVTSSDVVSATEPCKPC-TECVGLQSHSAPCVEA-DDAVCR PCGESEFLDTWHRETN-CHQH-KYCDPNLGLRVQQKGTSE-TDTICT PCGESEFLDTWHRETN-CHQH-KYCDPNLGLRVQQKGTSE-TDTICT	-CRKNONRHYWSENLFOCFNCSLCLHGT-VHLSCOEK-QNTVCCRPFGWYRPGTET-SDVVCK-CKPPGFFWYFFT-SDVVCK-CKPPFFCNSTVCEHCDPCTKCEHGI-IKE-CTLT-SNTKCCAYGYKQDETTGRCEACRVCEAGSGLVFSCODK-QNTVCE-CEEGWHCTSEACESCVLHRSCSPGFGVKQIATGV-SDTICE-CRFFGTQPRQDSSHKLGVDCV	TCHAGFFLRENECVSC-SNCKKSLECTKLC- PCAPGTFSNTTSST-DICRPH-QICNVVAIPGNASMDAVCT ECPDGTVSDEAHHV-DPCLPC-TVCEDTERQLRECTRW-ADAECE PCPVGFFSNVSSAF-EKCHPTSCETKDLVVQQAGTNKTDVVCG PCPPGHFSPGSHQACKPW-TNCTLSGKQIRHPASNSLDTVCE	
hu p55 TNF-R(3-42) hu p75 TNF-R(39-76) hu FAS (31-67) hu NGF-R (3-37) hu CDW40 (25-60) rat Ox40 (25-60)	hu p55 TNF-R(4,3-86) hu p75 TNF-R(77-119) hu FAS (68-112) hu NGF-R (38-80) hu CDw40 (61-104) rat Ox40 (61-104)	hu p55 TNF-R(87-126) hu p75 TNF-R(120-162) hu FAS (113-149) hu NGF-R (81-119) hu CDw40 (105-144) rat Ox40 (105-123)	hu p55 TNF-R(127-155) hu p75 TNF-R(163-201) hu NGF-R (120-161) hu CDw40 (145-186) rat Ox40 (124-164)	